Existing Building Policy
Successes in St. Louis
Buildings in the US Have a BIG Impact

- 12% water use
- 39% CO₂ emissions
- 65% waste output
- 71% electricity consumption
Building Energy Awareness: Benchmarking Requirements

SUPPORTERS INCLUDE

- 8760 Engineering
- AIA St. Louis
- Ameren Missouri
- AZIMUTH Energy
- CANNONDESIGN
- CHRISTNER
- CORTEX
- DEVELOPMENT STRATEGIES
- ELEVATE Energy
- Environmental Entrepreneurs
- GREEN STREET St. Louis
- EZ
- JACOBs
- JLL
- LOCAL 148 Operating Engineers
- MEEA
- NEMA
- NRDC
- Renew Missouri
- Ross & Baruzzini
- SCHAEFFER Marketing Group, Inc.
- Schneider Electric
- SIEMENS
- SIERRA CLUB
- SITTON Energy Solutions
- SMART
- Tower Grove Neighborhood Community Development
- SMART CITY ENERGY TEAM
- Missouri Gateway
Building Energy Awareness: Support & Feedback

➢ Benchmarking 101 Session
➢ Benchmarking Jams & Help Sessions
➢ Reporting Checklists & Fact Sheets
➢ Implementation Advisory Group

Energy Efficiency Checklist
Explore Opportunities to Save Energy

Understand Your Performance
You Can’t Manage What You Don’t Measure

- Benchmark Your Building Energy Use
  - Energy Benchmarking is the process of tracking your building’s energy use and comparing your performance to similar buildings and to past performance.
  - Any building can use ENERGY STAR Portfolio Manager, a free, online tool administered by the U.S. Environmental Protection Agency, to benchmark their energy, water, and waste performance. Visit www.energystar.gov to learn more and get assistance.

Invest in Your Building
No-Cost Operational Changes & Low-Cost Improvements
The Climate Challenge winning cities are:

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Smaller Cities Like St. Louis Lead on Energy Efficiency

April 20, 2020 | Stefan Schaffer & Maria Stamases

St. Louis passed its highly ambitious Building Energy Performance Standard (BEPS) ordinance, making it the fourth jurisdiction in the United States and first in the Midwest to do so. Mayor Lyda Krewson is expected to officially sign the ordinance into law in the coming weeks. With the adoption of this policy, the city will accomplish a major goal in creating more energy-efficient buildings.

What's more, as a city of just over 300,000 residents, St. Louis is setting an example for other cities of all sizes, by demonstrating that it can drive climate action and unlock a broader array of opportunities for saving money and cutting greenhouse gas emissions.
BEPS Policy Elements

What IS the standard?

- Performance metric: Site Energy Use Intensity (EUI)
- Standard will be set no lower than the 65th percentile of site EUI for similar buildings in St. Louis
- Standards finalized by May 4, 2021
- All commercial, institutional, multi-family and municipal buildings that are 50,000 square feet and above must comply.
Most buildings will have four years to meet the standard (May 4th, 2025).

Building owners will use ENERGY STAR Portfolio Manager tool to document compliance with the BEPS as part of the existing annual benchmarking reporting process.

Data verification will be required when compliance is due.
Unique Elements of BEPS

- Passed unanimously @ City of St. Louis Board of Aldermen at their first ever virtual meeting
- Building Energy Improvement Board will oversee implementation
- No alternative compliance pathways outlined in ordinance, but buildings can present plan to Board for consideration
- Affordable housing & houses of worship have two extra years to comply (May 2027)
BEPS Timeline + Next Steps

Learn more about City of St. Louis Benchmarking & BEPS @ www.stlbenchmarking.com
Thank You!

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